

Title (en)

ANTIGEN BINDING PROTEINS TO PROPROTEIN CONVERTASE SUBTILISIN KEXIN TYPE 9 (PCSK9)

Title (de)

ANTIGENBINDENDE PROTEINE GEGEN PROPROTEIN CONVERTASE SUBTILISIN KEXIN TYP 9 (PCSK9)

Title (fr)

PROTÉINES DE LIAISON À UN ANTIGÈNE POUR LA PROPROTÉINE CONVERTASE SUBTILISINE KEXINE DE TYPE 9 (PCSK9)

Publication

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Application

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Priority

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- US 95766807 P 20070823
- US 2008074097 W 20080822
- US 1063008 P 20080109
- US 896507 P 20071221

Abstract (en)

[origin: WO2009026558A1] Antigen binding proteins that interact with Proprotein Convertase Subtilisin Kexin Type 9 (PCSK9) are described. Methods of treating hypercholesterolemia and other disorders by administering a pharmaceutically effective amount of an antigen binding protein to PCSK9 are described. Methods of detecting the amount of PCSK9 in a sample using an antigen binding protein to PCSK9 are described.

IPC 8 full level

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CPC (source: EA EP IL KR US)

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C-Set (source: EP US)

1. **A61K 31/22 + A61K 2300/00**
2. **A61K 31/366 + A61K 2300/00**
3. **A61K 31/40 + A61K 2300/00**
4. **A61K 31/405 + A61K 2300/00**
5. **A61K 31/44 + A61K 2300/00**
6. **A61K 31/47 + A61K 2300/00**
7. **A61K 31/505 + A61K 2300/00**
8. **A61K 31/66 + A61K 2300/00**
9. **A61K 39/395 + A61K 2300/00**
10. **A61K 39/3955 + A61K 2300/00**

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- ANALYSIS OF THE FEATURES OF CLAIM 1
- ENLARGED VERSION OF FIG. 1 DEPICTING THE NON-LINEAR EPITOPE COMPRISING AMINO ACIDS, pages 187 - 202, 231-246 , and 368-383
- ENLARGED VERSION OF FIG. 2 DEPICTING THE OVERLAP BETWEEN THE AMINO ACID RESIDUES THAT ARE BOUND BY PREFERRED PCSK9-SPECIFIC ANTIBODIES DISCLOSED IN NOVARTIS (D14
- ENLARGED VERSION OF FIG. 3 DEPICTING THE OVERLAP BETWEEN THE AMINO ACID RESIDUES THAT ARE BOUND BY ANTIBODIES DISCLOSED IN NOVARTIS (D14) AND THE RESIDUES POSITIONED WITHIN 8 ANGSTROMS OF 31H4
- ENLARGED VERSION OF FIG. 4 DEPICTING THE AMINO ACID RESIDUES TAUGHT IN PB TO BE BOUND BY THE EGFA DOMAIN OF THE LDL RECEPTOR
- ENLARGED VERSION OF FIG. 5 DEPICTING THE OVERLAP BETWEEN THE AMINO ACID RESIDUES THAT ARE BOUND BY PREFERRED PCSK9-SPECIFIC ANTIBODIES DISCLOSED IN NOVARTIS (D14
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- DECLARATION OF DR MALGORZATA GONCIARZ AND CV
- ILLUSTRATION OF 31H4 BINDING TO HPCSK9
- Opponent : REGENERON PHARMACEUTICALS, INC.
- WO 2008063382 A2 20080529 - MERCK & CO INC [US], et al
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Opponent : SANOFI

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- ENLARGED VERSION OF FIG. 1 DEPICTING THE NON-LINEAR EPITOPE COMPRISING AMINO ACIDS 187- 202 , 231-246 , AND 368-383 OF PCSK9 BOUND BY PREFERRED PCSK9-SPECIFIC ANTIBODIES DISCLOSED IN NOVARTIS (D14
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- Opponent : Sanofi-Aventis Deutschland GmbH et al.
- WO 2009026558 A1 20090226 - AMGEN INC [US], et al
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